

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A catalyst for dimethyl carbonate synthesis, which is used for producing dimethyl carbonate from acetone dimethyl acetal and CO₂ in a supercritical state, wherein the catalyst is obtained by loading a strong acid on a carrier composed of a compound having a solid acid site, and wherein the strong acid contains one or more compounds selected from SO₄²⁻ and PO₄³⁻.

2. (Cancelled)

3. (Original) The catalyst for dimethyl carbonate synthesis according to claim 1, wherein the compound having a solid acid site is one or more selected from ZrO₂, Al₂O₃, and TiO₂.

4. (Cancelled)

5. (Original) The catalyst for dimethyl carbonate synthesis according to claim 3, wherein the specific surface area of the carrier composed of one or more selected from ZrO₂, Al₂O₃, and TiO₂ is 40 to 200 m²/g.

6. (Cancelled)